

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

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in its capacity as elected Office

<b>Date of mailing (day/month/year)</b> 08 May 2000 (08.05.00)	
<b>International application No.</b> PCT/US99/23563	<b>Applicant's or agent's file reference</b> RUDO-114490
<b>International filing date (day/month/year)</b> 08 October 1999 (08.10.99)	<b>Priority date (day/month/year)</b> 14 October 1998 (14.10.98)
<b>Applicant</b> RUDO, David, N.	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

29 March 2000 (29.03.00)

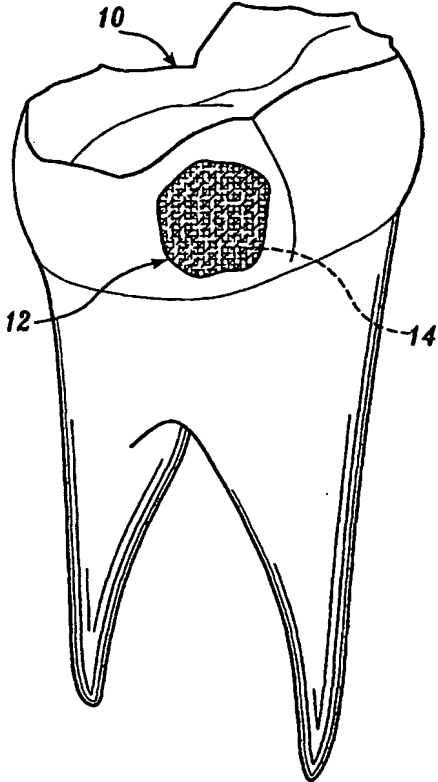
☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>6</sup> :</b> <b>A61C 5/04</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 00/21454</b> <b>(43) International Publication Date:</b> 20 April 2000 (20.04.00)
<b>(21) International Application Number:</b> PCT/US99/23563 <b>(22) International Filing Date:</b> 8 October 1999 (08.10.99) <b>(30) Priority Data:</b> 60/104,265 14 October 1998 (14.10.98) US <b>(71)(72) Applicant and Inventor:</b> RUDO, David, N. [US/US]; 135 Madrona Place East, Seattle, WA 98101 (US). <b>(74) Agent:</b> McGURL, Barry, F.; Christensen O'Connor Johnson & Kindness PLLC Suite 2800, 1420 Fifth Avenue, Seattle, WA 98101 (US).		<b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
<b>(54) Title:</b> TRIAXIAL WEAVE FOR REINFORCING DENTAL RESINS  <b>(57) Abstract</b> <p>The present invention provides methods of constructing, reinforcing or modifying dental structures (10). The methods of the present invention include contacting a dental structure (10) with dental resin (12), and a triaxial material (14). In another aspect, the present invention provides dental structures (10) including a triaxial material (14).</p> 		

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US99/23563

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :A61C 5/04

US CL :433/226

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 433/180, 215, 226

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WEST

Search Terms: triaxial, woven, fabric, composite, resin

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 5,921,778 A (KARMAKER et al.) 13 July 1999, entire document.	1-5, 10, 11, 13-15, 20-23
X	US 5,098,304 A (SCHARF) 24 March 1992, Fig. 3, col. 2 lines 5-14, and col. 4 lines 5-8, and 20-24.	1, 5, 10, 20
X — Y	US 4,610,688 A (SILVESTRINI et al.) 09 September 1986, Fig. 2, col. 2 lines 27-36, and col. 5 lines 50-63.	13-16 ----- 1-12, 17-25



Further documents are listed in the continuation of Box C.



See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	
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Date of the actual completion of the international search

15 DECEMBER 1999

Date of mailing of the international search report

07 FEB 2000

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US99/23563

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,176,951 A (RUDO) 05 January 1993, col. 2 lines 39-43, col. 4 lines 22-33, col. 5 lines 48-60, and col. 6 lines 1-16, and 44-54.	1-12, 17-25